

## BIOGRAPHICAL SKETCH

**NAME:** Bob Luebke

**POSITION TITLE:** Research Biologist

### EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
University of North Carolina at Chapel Hill	B.S.	1972	Medical Technology
University of North Carolina at Chapel Hill School of Public Health	M.S.	1976	Parasitology-Lab. Practice
University of North Carolina at Chapel Hill School of Public Health	Ph.D.	1981	Parasitology-Lab. Practice

### PROFESSIONAL EXPERIENCE:

1981 – 1984                      National Research Council Fellow,  
Experimental Biology Division, HERL  
U.S. Environmental Protection Agency  
Research Triangle Park, NC 27711

1984 - 1987                      Research Biologist  
Perinatal Toxicology Branch  
Developmental Biology Division, HERL  
U.S. Environmental Protection Agency  
Research Triangle Park, NC 27711

1988- 1990                      Research Biologist  
Inhalation Toxicology Branch  
Environmental Toxicology Division, HERL  
U.S. Environmental Agency  
Research Triangle Park, NC 27711

1991 – Present                      Research Biologist  
Immunotoxicology Branch  
Experimental Toxicology Division, NHEERL  
U.S. Environmental Agency  
Research Triangle Park, NC 27711

### PROFESSIONAL SOCIETIES:

Society of Toxicology (SOT), Immunotoxicology Specialty Section (ISS), Secretary/Treasurer (1999-2001), VP Elect and Chair, Program Committee(2002-2003), VP (2003-2004), President (2004-2005), Councilor (2005-2006), Nominating Committee (2005-2008)

### INVITED LECTURES/SYMPOSIA (Selected):

-“Aging and resistance to infection”, Toxicology for the Next Millennium-New York Academy of Sciences, Warrenton, VA, September 20-23, 1999.  
-“Pesticide-induced immunotoxicity: are humans at risk?” Aquatic Toxicology Workshop, Edmonton, Alberta, Canada, October 2-6, 1999.

- “Environmental factors associated with the development of autoimmunity”. Epidemiology of Occupational and Environmental Factors Associated with Autoimmunity, National Institute of Public Health and Environmental Protection, Bilthoven, The Netherlands, May 8-10, 2000.
- Keynote Address: “Integrating Life Stage Susceptibility into Immunotoxicity and Microbial Risk Assessment” EPA Risk Assessment Forum Workshop entitled “Challenges to Integrating Immunotoxicological and Microbial Risk Assessment for Susceptible Life Stages”, February 12, 2007, Arlington, VA.
- “Humoral and Cell Mediated Immune Function in Mice Exposed to Perfluorooctanoic Acid as Adults”, Department of Biomedical and Pharmaceutical Sciences, U. Montana, April 20, 2007.
- “Immune Function, Immunotoxicity, and Resistance to Infection and Neoplasia”, California EPA, US EPA, University of California Department of Obstetrics and Gynecology, sponsored workshop “Moving Upstream: A Workshop on Evaluating Adverse Upstream Endpoints for Improved Decision Making and Risk Assessment, Berkeley, CA, May 16-17, 2007.

#### **ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:**

- Associate Editor, Journal of Immunotoxicology
- Co-editor, *Immunotoxicology and Immunopharmacology*, Third edition, (Luebke, R.W., Kimber, I., House, R.V., eds.), CRC Press, Boca Raton, FL.
- Reviewer for: Diabetologica, Environmental Research, Environmental Toxicology and Chemistry, Fundamental and Applied Toxicology, Human and Ecological Risk Assessment, International Immunopharmacology, Journal of Leukocyte Biology, Journal of Applied Toxicology, Journal of Toxicology and Environmental Health, Photochemistry and Photobiology, Toxicology and Applied Pharmacology, Toxicology, Toxicological Sciences
- Member, Marine Environmental Biotechnology Grant Review Panel, NOAA/National Seagrass College Program, 2002.
- External Advisory Committee, NIEHS Superfund Basic Research Grant, Institute for Environmental Toxicology, Michigan State University, 2001-present.
- NIEHS National Toxicology Program, Perfluorinated Chemicals Research Design Team, 2004-present.
- NHEERL Community of Practice Chemical Prioritization Committee, 2005-present.
- Organizer and Co-chair, Immunotoxicogenomics Workshop, US EPA, RTP, NC, September 2005

#### **ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY:**

- Advisor to the Office of Drinking Water and Office of Pesticide Programs on immunotoxicology issues and data analysis.
- Member of: EPA Agency-wide CCL-microbes working group; NHEERL Aquatic Stressors Research Strategy workgroup; ORD and NHEERL Research Strategy workgroups; NHEERL Candidate Contaminant List Drinking Water Multiyear plan writing team; Core Writing Team, EPA Immunotoxicity Risk Assessment Guidelines; OPPTS Enhanced F1 testing workgroup.
- Co-organized and presented training session on immunology, immunotoxicology and immunotoxicology risk assessment to members of the Health Effects Division, Office of Pesticide Programs, Health Canada and the Ministry of Health in Mexico, May 31, 2007.

#### **PUBLICATIONS:** (selected peer reviewed, past 5 years)

Luebke, R.W., C.B. Copeland, L.R. Bishop, M.J. Daniels and M.I. Gilmour. 2002. Mortality in dioxin-exposed mice infected with influenza: mitochondrial toxicity (Reye's-like syndrome)

versus enhanced inflammation as the mode of action. *Toxicological Sciences* 69, 109-116.

Luebke, R.W., C.G. Parks, and M.I. Luster. 2004. Suppression of immune function and susceptibility to infections in humans: association of immune function with clinical disease. *J. Immunotoxicology* 1, 15-24.

Luebke, R.W., D.H. Chen, R.R. Dietert, Y. Yang, M. King, and M.I. Luster. 2006. The comparative immunotoxicity of 5 selected compounds following developmental or adult exposure. *J. Toxicol. Environ. Health, Part B* 9, 1-26.

DeWitt, J.C., C.B. Copeland, and R.W. Luebke. 2006. Immune responses in Sprague-Dawley rats exposed to dibutyltin dichloride in drinking water as adults. *J. Immunotoxicol.* 2, 151-160.

Luebke, R.W., M.P. Holsapple, G.S. Ladics, M.I. Luster, M.J. Selgrade, R.J. Smialowicz, M.R. Woolhiser and D.R. Germolec. 2006. Immunotoxicogenomics: The potential of genomics technology in the immunotoxicity risk assessment process. *Toxicol. Sci.* 94, 22-27.

Burns-Naas, L.A., R.J. Dearman, D.R. Germolec, N.E. Kaminski, I. Kimber, G.S. Ladics, R.W. Luebke, J.C. Pfau, and S.B. Pruett. 2006. "Omics" Technologies and The Immune System, *Toxicol. Mechan. Meth.* 15, 101-119.

Luebke, R.W. 2007. Nematodes as host resistance models for detection of immunotoxicity. *Methods* 41, 38-47.

DeWitt, J.C., C.B. Copeland and R.W. Luebke. 2007. Immune function is not impaired in Sprague-Dawley rats exposed to dimethyltin dichloride (DMTC) during development or adulthood. *Toxicology* 232, 303-310.

DeWitt, J.C., C.B. Copeland, and R.W. Luebke. 2007. A mixture of organotins found in polyvinyl chloride (PVC) pipe is not immunotoxic to Sprague Dawley rats when given in drinking water. *J. Toxicol. Environ. Health Part A* (in press).